

Title (en)  
OPTICAL COMMUNICATION METHOD AND OPTICAL COMMUNICATION SYSTEM

Title (de)  
OPTISCHES KOMMUNIKATIONSVERFAHREN UND OPTISCHES KOMMUNIKATIONSSYSTEM

Title (fr)  
PROCEDE ET SYSTEME DE COMMUNICATION OPTIQUE

Publication  
**EP 1389839 A4 20051221 (EN)**

Application  
**EP 01936858 A 20010605**

Priority  
• JP 0104752 W 20010605  
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Abstract (en)  
[origin: EP1389839A1] Optical transmitters 12 in a plurality of nodes 7 connected via an optical fiber 9a individually modulate intensities of a plurality of spectral lines whose wavelengths are different thereby generating respective optical signals and transmitting them through the same optical fibers 9a, where a multiple spectral line, in which the plurality of spectral lines are superimposed, is transmitted, and optical receivers 13 in the nodes 7 receive the multiplex spectral line transmitted through the optical fiber 9a, separates the multiplex spectral line into a plurality of spectral lines whose wavelengths are different, and detects optical signals for separated spectral lines. <IMAGE>

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**H04B 10/158**; G02B 6/28; H04B 10/155

IPC 8 full level  
**G02B 6/02** (2006.01); **G02B 6/26** (2006.01); **G02B 6/28** (2006.01); **G02B 6/293** (2006.01); **G02B 6/34** (2006.01); **G02B 6/42** (2006.01); **G02B 6/43** (2006.01); **H04B 10/27** (2013.01); **H04B 10/275** (2013.01); **H04B 10/29** (2013.01); **H04B 10/40** (2013.01); **H04B 10/50** (2013.01); **H04B 10/60** (2013.01); **H04J 14/00** (2006.01); **H04J 14/02** (2006.01)

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Citation (search report)  
• [XY] US 4343532 A 19820810 - PALMER JOHN P  
• [Y] US 4881789 A 19891121 - LEVINSON FRANK H [US]  
• [A] FR 2556480 A1 19850614 - LIGNES TELEGRAPH TELEPHON [FR]  
• [Y] PATENT ABSTRACTS OF JAPAN vol. 016, no. 015 (P - 1298) 14 January 1992 (1992-01-14)  
• [A] WAGENER J L ET AL: "Fiber grating optical spectrum analyzer tap", IOOC - ECOC '97. 11TH INTERNATIONAL CONFERENCE ON INTEGRATED OPTICS AND OPTICAL FIBRE COMMUNICATIONS / 23RD EUROPEAN CONFERENCE ON OPTICAL COMMUNICATIONS. EDINBURGH, SEPT. 22 - 25, 1997, IEE CONFERENCE PUBLICATION, LONDON : IEE, UK, vol. VOL. 3 NO. 448, 22 September 1997 (1997-09-22), pages 65 - 68, XP006508716, ISBN: 0-85296-697-0  
• See also references of WO 02093793A1

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